

Sheet 2 of 2

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Substitute Form PTO-1449 (Modified)  <b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. <b>00786-804001</b>	Application No. <b>09/758,493</b>
	Applicant <b>M. Amin Arnaout et al.</b>		
	Filing Date <b>January 11, 2001</b>	Group Art Unit <b>1645 / 644</b>	

U.S. Patent Documents							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA						

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AB							

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
mtt	AC	Baldwin et al., "Cation binding to the integrin CD11b I domain and activation model assessment", <u>Structure</u> , 6:923-935 (1998)
mtt	AD	Edwards et al., "Mapping the Intercellular Adhesion Molecule-1 and -2 Binding Site on the Inserted Domain of Leukocyte Function-associated Antigen-1", <u>The Journal of Biological Chemistry</u> , 273:28937-28944 (1998)
mtt	AE	Emsley et al., "Structural Basis of Collagen Recognition by Integrin $\alpha 2 \beta 1$ ", <u>Cell</u> , 100:47-56 (2000)
mtt	AF	Emsley et al., "Crystal Structure of the I Domain from Integrin $\alpha 2 \beta 1$ ", <u>The Journal of Biological Chemistry</u> , 272:28512-28517 (1997)
mtt	AG	Feng et al., "Peptides Derived from the Complementarity-determining Regions of Anti-Mac-1 Antibodies Block Intercellular Adhesion Molecule-1 Interaction with Mac-1", <u>The Journal of Biological Chemistry</u> , 273:5625-5630 (1998)
mtt	AH	Kamata T and Takada Y, "Direct Binding of Collagen to the I Domain of Integrin $\alpha 2 \beta 1$ (VLA-2, CD49b/CD29) in a Divalent Cation-independent Manner", <u>The Journal of Biological Chemistry</u> , 269:26006-26010 (1994)
mtt	AI	Kern et al., "The Role of the I Domain in Ligand Binding of the Human Integrin $\alpha 1 \beta 1$ ", <u>The Journal of Biological Chemistry</u> , 269:22811-22816 (1994)
mtt	AJ	Lee et al., "Crystal Structure of the A Domain from the $\alpha$ Subunit of Integrin CR3 (CD11b/CD18)", <u>Cell</u> , 80:631-638 (1995)
mtt	AK	Lee et al., "Two conformations of the integrin A-domain (I-domain): a pathway for activation?", <u>Structure</u> , 3:1333-1340 (1995)
mtt	AL	Legge et al., "NMR Solution Structure of the Inserted Domain of Human Leukocyte Function Associated Antigen-1", <u>Journal of Molecular Biology</u> , 295:1251-1264 (2000)
mtt	AM	Li et al., "Two Functional States of the CD11b A-Domain: Correlations with Key Features of Two $Mn^{2+}$ -complexed Crystal Structures", <u>The Journal of Cell Biology</u> , 143:1523-1534 (1998)
mtt	AN	Michishita et al., "A Novel Divalent Cation-Binding Site in the A Domain of the $\beta 2$ Integrin CR3 (CD11b/CD18) Is Essential for Ligand Binding", <u>Cell</u> , 72:857-867 (1993)
mtt	AO	Nolte et al., "Crystal structure of the $\alpha 1 \beta 1$ integrin I-domain: insights into integrin I-domain function", <u>FEBS Letters</u> , 452:379-385 (1999)
mtt	AP	Orvig et al., "Conformational changes in tertiary structure near the ligand binding site of an integrin I domain", <u>Proc. Natl. Acad. Sci. USA</u> , 96:2215-2220 (1999)

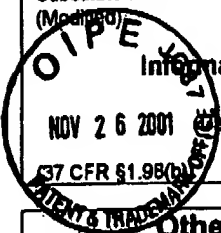
Examiner Signature <i>Michael Haddad</i>	Date Considered <i>3/2/05</i>
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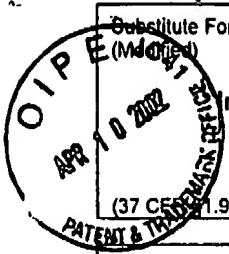
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<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary) 37 CFR §1.98(b)		Applicant M. Amin Arnaout et al.	
		Filing Date January 11, 2001	Group Art Unit 1645/1644



**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
MH	AQ	Rieu et al., "Solvent-accessible Residues on the Metal Ion-dependent Adhesion Site Face of Integrin CR3 Mediate Its Binding to the Neutrophil Inhibitory Factor", <u>The Journal of Biological Chemistry</u> , 271:15858-15861 (1996)
MH	AR	Smith JW and Cheres DA, "The Arg-Cly-Asp Binding Domain of the Vitronectin Receptor", <u>The Journal of Biological Chemistry</u> , 263:18726-18731 (1988)
MH	AS	Zhang L and Plow EF, "A Discrete Site Modulates Activation of I Domains", <u>The Journal of Biological Chemistry</u> , 271:29953-29957 (1996)
MH	AT	Zhang L and Plow EF, "Amino Acid Sequences within the $\alpha$ Subunit of Integrin $\alpha_M\beta_2$ (Mac-1) Critical for Specific Recognition of C3bi", <u>Biochemistry</u> , 38:8064-8071 (1999)
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Examiner Signature <i>M. Amin Arnaout</i>	Date Considered 3/2/05
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Substitute Form PTO-1449 (MAY 2001)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 00786-804001	Application No. 09/758,493
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)		Applicant M. Amin Arnaout et al.	
		Filing Date January 11, 2001	Group Art Unit 1645 (644)

U.S. Patent Documents							
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	AL							
	AM							
	AN							
	AO							
	AP							

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
m t	AQ	Xiong et al., "An Isoleucine-based Allosteric Switch Controls Affinity..." J. of Biol. Chem. 275:38762-38767, 2000.
	AR	
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Examiner Signature <i>Mohamed Haddad</i>	Date Considered 3/2/05
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449  
(Modified)U.S. Department of Commerce  
Patent and Trademark OfficeAttorney's Docket No.  
00786-804001Application No.  
09/758,493**Information Disclosure Statement  
by Applicant**

(Use several sheets if necessary)

Applicant  
M. Amin Arnaout et al.Filing Date  
January 11, 2001Group Art Unit  
~~1645~~ 1644

(37 CFR §1.98(b))

**U.S. Patent Documents**

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
mtt	AA	5,985,278	11/16/1999	Mitjans et al.	424	143.1	
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Examiner Signature

Maher Haddad

Date Considered

3/2/05

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